Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FERTILIZER REPORT

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME I, PAGE 3, DECEMBER, 1953

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	% Available Nitrogen (N)		% Phosphoric Acid (P_2O_5) Total		% Phosphoric Acid (P_2O_5) Available		% Available Potash (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
STIMUPLANT LABORATORY COMPANY										
Columbus 16, Ohio										
Stim-U-Plant Plant Food	†	431								
SWIFT & COMPANY, PLANT FOOD DIVISION										
Nort Portland, Oregon	Billings	400	6.0	5.9	10.3	11.3	10.0	11.1	4.0	4.7
Vigoro	Townsend	401	8.0	7.8	16.5	16.7	16.0	16.4	8.0	7.7
Vigoro Commercial Grower	†	402								
Instant Vigoro	†	403								
Brimm	†	404								
Red Steer										
TENNESSEE VALLEY AUTHORITY										
Sheffield, Alabama										
Superphosphate	Billings	‡				51.0	48.0	49.7		
U. S. CHEMICAL PRODUCT CORPORATION										
Columbus, Ohio										
C.M. 32 Liquid Nitrogen	Missoula	‡	32.0	**20.2**						
UNITED STATES GYPSUM COMPANY										
Chicago 6, Illinois										
Red Top General Purpose Hydrated Lime	†	423	Claim:	Calcium oxide (CaO) 70%						
Ben Franklin Agricultural Gypsum	†	422	Claim:	Calcium oxide (CaO) 26.0% Sulfur trioxide (SO_3) 37.2%						
UNITED STATES STEEL CORPORATION										
Salt Lake City 8, Utah										
U.S.S. Sulfate of Ammonia	†	399								
VICTOR CHEMICAL WORKS										
Chicago, Illinois										
Diammonium Phosphate	Missoula	‡	21.0	20.7		53.7	53.0	53.7		
WESTERN FERTILIZER COMPANY										
Harlowtown, Montana										
Lamus	†	429								

Violations in Bold Type— See Montana Fertilizer Law, Sec. 4208.11
†-No Sample Obtained
‡-Not Registered

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
AMERICAN CHEMICAL PAINT COMPANY										
Ambler, Pennsylvania										
Gro-Stuff	†	417								
AMERICAN CYANAMID COMPANY										
New York 20, New York										
Aero Cyanamid, Special Grade	†	427								
ANACONDA COPPER MINING COMPANY										
Anaconda, Montana										
Anaconda Ammoniated Phosphate 6-30-0	Missoula	416	6.0	6.1	31.0	33.4	30.0	32.3		
Anaconda Ammoniated Phosphate 10-20-0	Miles City	410	10.0	10.8	20.5	22.6	20.0	21.8		
Anaconda Plantone	Billings	412	6.0	6.9	13.0	12.8	12.0	12.4	4.0	6.7
Anaconda Complete Fertilizer 10-18-5	†	411								
Anaconda Liquid Phosphoric Acid	†	415								
Anaconda Treble Superphosphate	Miles City	409			44.0	46.4	42.0	46.0		
Sulfate of Ammonia	†	413								
Muriate of Potash	Missoula	414							60.0	59.3
ARMOUR FERTILIZER WORKS										
Chicago Heights, Illinois										
Armour Vertagreen Plant Food for Professional Use	†	391								
Armour Vertagreen Plant Food	†	392								
BIOPRODUCTS, Oregon Ltd.										
Warrenton, Oregon										
Bio-Gro Liquid Fish Fertilizer	†	426								
CALIFORNIA SPRAY CHEM. CORP.										
Richmond, California										
Ortho-Gro Liquid Plant Food	Billings	406	10.0	10.6	5.0	5.5	5.0	5.5	5.0	4.9
Ortho Lawn Groom	Missoula	407	7.0	7.3	5.0	6.0	5.0	5.9	5.0	6.7
Ortho Leaf Feed	†	428								
CHILIAN NITRATE SALES CORPORATION										
New York 5, New York										
Chilian Nitrate of Soda—Champion Brand	†	395								
CITY OF HOUSTON										
Houston, Texas										
Hou-Actinite	Townsend	‡	6.0	6.3		4.5	3.0	4.4		
CONSOLIDATED MINING & SMELTING CO. OF CANADA, LTD.										
Vancouver, B.C., Canada										
Elephant Brand Ammonium Sulfate	Billings	386	21.0	20.7						
Elephant Brand "Nitraprills" Amonnium-Nitrate	Townsend	387	33.5	33.6						
Elephant Brand Ammonium-Phosphate 11-48-0	Billings	388	11.0	11.3	48.0	50.3	48.0	50.2		
Elephant Brand Ammonium-Phosphate-Sulphate	Billings	389	16.0	16.2	20.0	20.8	20.0	20.2		
HENRY A. DREER, INC.										
Philadelphia, Pennsylvania										
Reddi-GRO	†	405								
E. I. DUPONT DE NEMOURS & COMPANY										
Wilmington, Delaware										
DuPont Nu Green Fertilizer Compound	Townsend	390	44.0	43.8						
DuPont Soluble Plant Food 19-22-16	Helena	433	19.0	19.8	22.0	22.7	22.0	22.7	16.0	16.0
FERRO CORPORATION										
Cleveland 5, Ohio										
FTE (Fritted Trace Elements)	†	420	Claim:		Trace Elements					
FERTI-LUX COMPANY										
Kansas City, Missouri										
Ferti-Lux	Missoula	‡	23.0	1.4	21.0	2.2	21.0	2.2	17.0	0.4

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FORD MOTOR COMPANY Dearborn, Michigan										
Ford Ammonium Sulfate	Billings	435	20.8	20.9						
FERTIL POINT COMPANY Seattle 9, Washington										
Fertil-Points	†	421								
GARDEN RESEARCH LABORATORIES New York 10, New York										
RX-15 (15-30-15)	†	434								
HYDROPONIC CHEMICAL COMPANY, INC. Copley, Ohio										
Hyponex	Missoula	396	7.0	7.3	6.0	7.3	6.0	7.3	19.0	18.7
IDEAL CEMENT COMPANY Butte, Montana			Claim: hydrous calcium sulfate, ($CaSO_4 \cdot 2H_2O$) 80%							
Hanover Agricultural Gypsum	†	424	and anhydrous calcium sulfate ($CaSO_4$) 6%							
LOAMIUM COMPANY OF AMERICA Harrison, New Jersey										
Loamium	†	397								
MONSANTO CHEMICAL COMPANY St. Louis 4, Missouri										
Folium	Billings	425	20.0	19.7	20.0	21.2	20.0	21.2	20.0	19.0
"NA-CHURS" PLANT FOOD COMPANY Marion, Ohio										
"Na-Churs" Liquid Fertilizer 7-14-7	†	398								
NORTHRUP, KING & COMPANY Minneapolis 13, Minnesota										
Golf Brand (A Speciality Lawn and Garden Fertilizer)	†	408								
NUTRITIONAL CONCENTRATES, INC. Pittsburgh 16, Pennsylvania										
Malabar-Sunnyhill Fertilizer	†	430								
PHILLIPS CHEMICAL COMPANY Bartlesville, Oklahoma										
Phillips 66 Ammonium Sulfate	Billings	385	21.0	20.6						
PLANTABBS CORPORATION Baltimore 1, Maryland										
Fulton's Plantabbs	Missoula	418	11.0	11.2	15.0	16.3	15.0	16.3	20.0	24.8
RA-PID-GRO CORPORATION Dansville, New York										
Ra-Pid-Gro	Billings	432	23.0	23.3	21.0	21.5	21.0	21.5	17.0	18.2
O. M. SCOTT AND SONS COMPANY Marysville, Ohio										
Scotts Turf Builder	†	393								
Scotts Weed and Feed	†	394								
SIMPLOT FERTILIZER COMPANY Pocatello, Idaho										
Red Diamond Superphosphate	Chinook	‡				21.1	18.0	20.6		
SPENCER CHEMICAL COMPANY Parsons, Kansas										
"Mr. N." Ammonium Nitrate	Miles City	419	33.5	33.5						

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